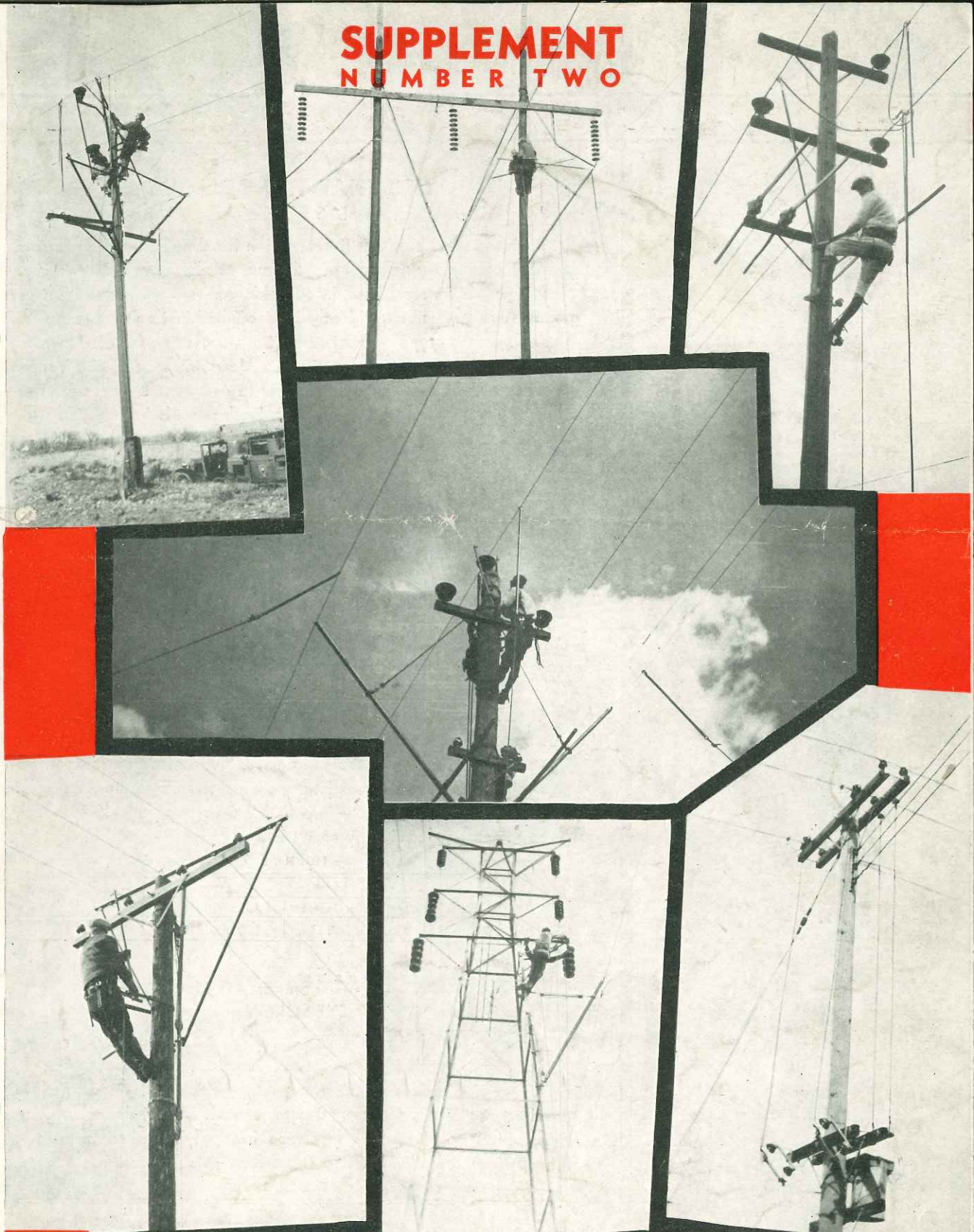


Published Co. 1934

Please insert in your folder containing TIPS CATALOG NO. 6 and SUPPLEMENT NO. 1

# SUPPLEMENT NUMBER TWO



# TIPS TOOL COMPANY INC

TAYLORVILLE, ILLINOIS

OCT.  
1934



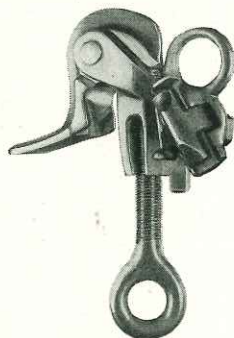


Fig. No. 1

## TIPS SNAP-TAP CLAMPS

### EYE SCREW

Designed as a permanent connection for distribution transformer drops, economically providing a "disconnect" directly at the primary. Has large use on rural lines, in oil fields, and other distribution tap points. Jaws will not accidentally twist off line in turning eye screw. Has compression type connection for tap wire, a ring for convenience in applying in awkward circumstances. Jaws will take a wide range of conductor sizes—No. 8 solid copper to 4/0 stranded copper. Fits all Tips Clamp Sticks and is shown on back page being applied with Tips G3030-2 Clamp Stick. Built amply strong—will not distort under pressure. Duck bill, tap wire terminal and eye screw made of Everdur.

FIG. No. 1

Catalog Number	Type Connection	Maximum Wire Size		Overall Length	Net Wt. Pounds
		Main Line Contact	Jumper Contact		
S1710-1	AL to CU	No. 3/0 ACSR	2/0 Solid Cu.	5"	1 1/4
S1710	CU to CU	No. 4/0 Str. Cu.	2/0 Solid Cu.		
S1710-2	AL to AL	No. 3/0 ACSR	No. 1 ACSR		



Fig. No. 2

## TIPS SNAP-GROUND CLAMP

### MOUNTED 1 1/4" x 6"

Tips Snap-Ground Clamp is of the same design and capacity as Tips Snap-Tap Clamp shown above except that it is mounted upon Tips Laminated Spruce Pole six feet long, thus making an inexpensive grounding clamp. Universal joint action between clamp and pole.

Clamp body engages with pole head in applying clamp which gives complete control of jumper wire.

FIG. No. 2

Catalog Number	Type Connection	Maximum Wire Size		Overall Length	Net Wt. Pounds
		Main Line Contact	Jumper Contact		
G1710	CU to CU	No. 4/0 Str. Cu.	2/0 Solid Cu.	6'-5"	3

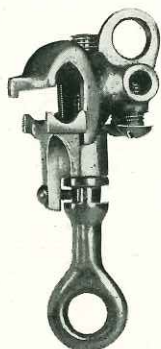


Fig. No. 3

## TIPS HORIZONTAL JUMPER CONTACT TAP-OFF CLAMPS

### EYE SCREW

A larger size clamp than Tips Rural Tap-off Clamp, designed for certain sections where heavy loads require large conductors. In aluminum it provides a superior clamp which will accommodate armoured cable close to the insulator where it is most desirable. Ring is provided for added convenience in applying when necessary. Fits all Tips Clamp Sticks. See Table for wire sizes for these clamps.

FIG. No. 3

Catalog Number	Type Connection	Maximum Wire Size		Overall Length	Net Wt. Pounds
		Main Line Contact	Jumper Contact		
S1831-3	Al to Cu.	266,800 Cm. ACSR	1/0 Str. Cu.	6"	3/4
S1717-3	Cu. to Cu.	300,000 Str. Cu.	1/0 Str. Cu.		1 1/2

Hexagon Screw Clamps may be furnished.

Price upon request.



# ELECTRICAL LIVE LINE EQUIPMENT

## TIPS SAFETY SNAP-ON GROUNDING CLAMP EYE SCREW—HEAVY DUTY

This clamp is the last word when great strength is required. Made entirely of bronze alloy with single bolt compression type terminal for grounding cable, and has additional means for clamping around cable insulation greatly reducing breakage of cable.

Design and operating characteristics identical to Tips popular Safety Snap-on Grounding Clamps fully described in Catalog No. 6, PP. 63-68.

FIG. No. 4

Catalog Number	Type Connection	Maximum Wire Size		Overall Length	Net Wt. Pounds
		Main Line Contact	Jumper Contact		
G3622-1	CU. to CU.	400,000 Cm. Str. Cu.	No. 2/0 Str. Cu.	8"	2½



Fig. No. 4

## TIPS SAFETY SNAP-ON GROUNDING CLAMP MOUNTED 1¼" x 6"—HEAVY DUTY

This Clamp is identical to Eye Screw Clamp shown directly above except it is mounted on Tips Laminated Spruce Pole six feet long. The ease of application and complete control of ground cable are two superior features of this clamp.

Universal joint action between clamp and pole.

FIG. No. 5

Catalog Number	Type Connection	Maximum Wire Size		Overall Length	Net Wt. Pounds
		Main Line Contact	Jumper Contact		
G3706-1	CU. to CU.	400,000 Cm. Str. Cu.	No. 2/0 Str. Cu.	6'-7"	4½

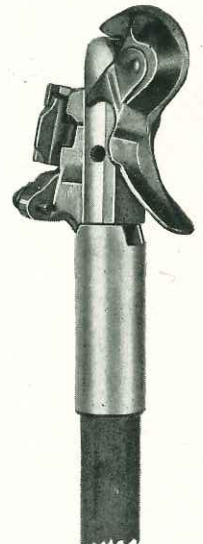


Fig. No. 5

## TIPS FLAT FACE GROUNDING CLAMPS

EYE SCREW No. G3363-1, Fig. No. 7

TEE HANDLE No. G3363-2, Fig. No. 6

Two improved Flat Face Grounding Clamps substituting compression type cable terminal for set screws, and adding means for clamping around cable insulation, thus greatly reducing possibility for cable breakage. Fig. 7 shows eye screw type and Fig. 6 shows clamp with Tee handle for tightening by hand.

Otherwise identical to regular Tips Flat Face Grounding Clamps, which are fully described on Pages 74 and 75 of Catalog No. 6.

FIG. No. 6

Catalog Number	Type	Bus Bar	Jumper Contact	Overall Length	Net Wt. Pounds
G3363-1	Cu. to Cu.	1½"	4/0StrCu	7½"	3½
G3363-2	Cu. to Cu.	1½"	4/0StrCu	7½"	3½

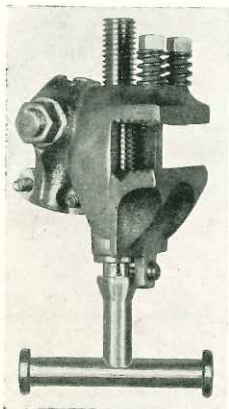


Fig. No. 6

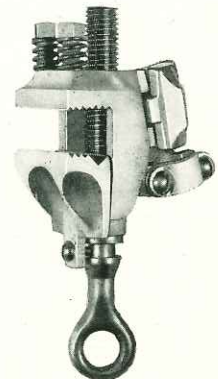


Fig. No. 7





## TIPS MECHANICAL JUMPER CLAMP

### SMALL SIZE

While not so generally applicable as our larger size Mechanical Jumper Clamp, Cat. 6, pp. 56-57, switchboard men, meter men, and trouble men have many needs for a clamp of this design.

This new light weight Jumper Clamp has 1" diameter insulated handle which, when rotated, tightens Clamp to conductor. Jaws will take from smallest wire up to 4/0 stranded copper. Insulated handle has 17/32" hole through which insulated jumper cable passes. Terminal connection will take up to No. 2 stranded copper.



Fig No. 9

Fig. No. 9

Catalog Number	Type Connection	Maximum Wire Size		Overall Length Closed	Net Wt. Lbs.
		Main Line Contact	Jumper Contact		
G4767-1	CU to CU	4/0 Str. Cu.	No. 2 Str. Cu.	5"	1/2

## TIPS ALL-ANGLE GROUNDING CLAMP

### ATTACHMENT FOR M4228 FUSE PULLER

Tips regular Fuse Puller may be converted into a useful Grounding Clamp by addition of Cable Terminal shown in Fig. 10. Since Fuse Puller head will assume any angle through 180 degree arc of a circle it can be attached to many sub-station bus bars, fittings in close quarters, or awkward positions. Jaw clamping ranges from 3/4" to 2 3/4" maximum.

For information regarding Fuse Puller, see Supplement No. 1, Page S-3, or full information will be sent on request.

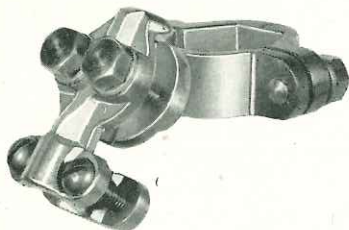


Fig. No. 10

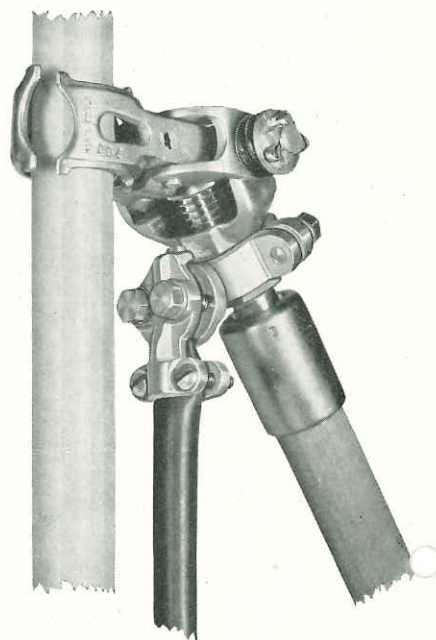


Fig. No. 11

Fig. No. 10

Catalog Number	Type Connection	Maximum Wire Size		Overall Length	Net Wt. Lbs.
		Main Line Contact	Jumper Contact		
M4228-1	CU to CU	Max. 2 3/8" Min. 3/4"	2/0 Str. Cu.	3 1/2"	1



# ELECTRICAL LIVE LINE EQUIPMENT

## TIPS POSITIVE CLAMP STICK

### FOR ALL EYE SCREW CLAMPS

An improved Clamp Stick Head that will not allow Clamp to become accidentally dislodged and will accommodate and operate all Tips Eye Screw Clamps.

The Clamp is firmly held in the Clamp Stick Head by the cross-wise position which the cap assumes when Clamp Stick is rotated.

The rotation of the cap is accomplished by the lug extending below the clamp body — an exclusive Tips Feature.

Can be obtained in head only, or with complete Clamp Stick.

Clamp Stick Head Only

Fig. No. 12

Clamp Stick Complete

Catalog Number	Pole Diameter	Net Wt. Lbs.	Catalog Number	Pole Diameter	Pole Length	Net Wt. Lbs.
G3042-2	1 1/4"		G3030-2	1 1/4"	8'-0"	3 1/2



Fig. No. 12

## TIPS UNIVERSAL POSITIVE CLAMP STICK HEAD

### FOR ALL EYE SCREW CLAMPS

No. M4455—29A

Same as Clamp Stick Head shown above except that it is designed for attachment to Tips Universal Poles. See Catalog 6, page 32.



Fig. No. 13

## TIPS UNIVERSAL WIRE TONG HEAD

### CLAW TYPE

No. M4455—36

Tips Claw Type Wire Tong Head, with maximum capacity for 1" Dia. Conductor. Herewith it is shown for attaching to Universal Pole.

With Ferrule for attaching to end of 1 1/4" Dia. pole, see page S-10 in this supplement.



Fig. No. 14

## TIPS UNIVERSAL CHUCK BLANK

### WITH BINDING SCREW

No. M4455—37

In this Chuck Blank, tools may be inserted and secured by a binding screw thus providing a Universal Pole Attachment with a number of uses. Tools may also be soldered into Chuck if desired.



Fig. No. 15



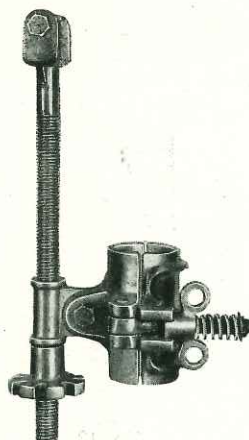


Fig. No. 16

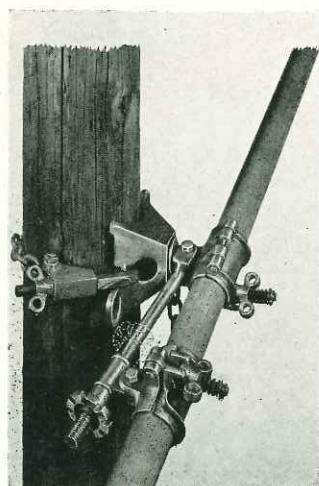


Fig. No. 17

## TIPS WIRE TONG SADDLE JACK AND POLE CLAMP

Tips Saddle Jack, Fig. 16, when used in combination with Tips Saddle and Wire Tong, Fig. 17, provides useful means to remove and replace conductors on semi-corners where the tension of the lines otherwise makes this operation difficult. The Jack is very simple to attach to our regular Saddles and the operation is graphically shown in Fig. 18.

Pole Clamps may be obtained for various size poles to be attached to a common base and are listed below.

Catalog Number	Pole Diameter	Description	Net Wt. Lbs.
M4741-1	1 1/2"	Wire Tong Saddle Pole Clamp	3
M4741-2	2 "	Wire Tong Saddle Pole Clamp	3
M4741-3	2 1/2"	Wire Tong Saddle Pole Clamp	3
M4741-4	Saddle Jack Screw and Hand Nut		1

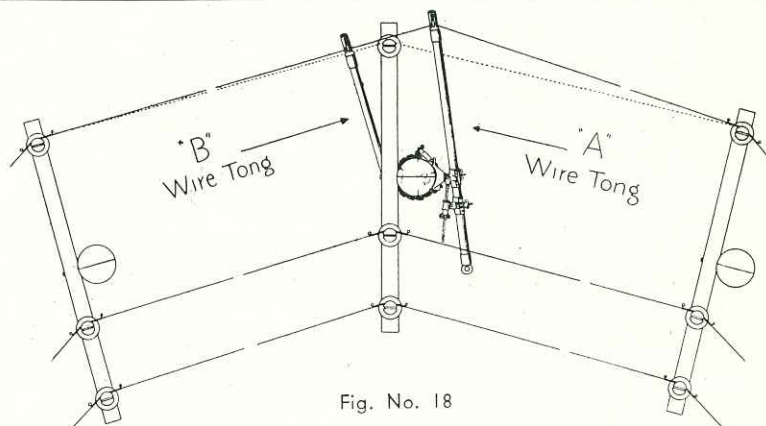


Fig. No. 18

## HEADS and BUTT SWIVELS ONLY FOR TIPS WIRE TONGS AND LINK STICKS



Fig. No. 19

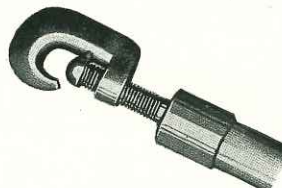


Fig. No. 20



Fig. No. 21

### WIRE TONG HEADS

Catalog Number	Pole Diameter
M3396-4	1 1/4"
M3396	1 1/2"
M3396-1	2 "
M3396-2	2 1/2"
M3396-3	3 "

### LINK STICK HEADS

Catalog Number	Pole Diameter
M4707-3	1 1/4"
M4707	1 1/2"
M4707-1	2 "
M4707-2	2 1/2"

### BUTT SWIVELS

Catalog Number	Pole Diameter
M1941-5	1 1/4"
M1941	1 1/2"
M1941-1	2 "
M1941-2	2 1/2"
M1941-3	3 "



# ELECTRICAL LIVE LINE EQUIPMENT

## TIPS HOLD-ALL INSULATED PLIER HANDLES

Tips Insulated Handles to accommodate Lineman's Pliers and other tools can now be had.

Pliers, etc., are secured to insulated handles by means of two nuts on each handle engaging bolts provided with an eye head through which the Plier handles pass. These handles provide a handy emergency tool.

Fig. No. 22

Catalog Number	Pole Dia.	Pole Length	Description	Overall Length	Net Wt. Lbs.
M1861-1	1 1/4"	4'	Insulated Handles with 8" Pliers	4'-9"	6 1/2
M1861-2	1 1/4"	4'	Insulated Handles only (Pair)	4'-4 1/2"	5 1/2

## TIPS INSULATED SOCKET WRENCH HANDLES

### 1/2" SQUARE SHANK FOR SOCKETS

Fig. 23—Tips Insulated Socket Wrench handles are furnished with standard 1/2" square shank and will fit commercial sockets as well as Tips square and Hex. sockets with deep throats.

The external coil spring around the universal joint is just flexible enough to enable the operator to have complete control over the socket. Coil spring is very easily removed when desired.

Fig. 24 is identical to Fig. 23, except for the ratchet wrench attached to the opposite end, making this type adaptable to various other jobs.

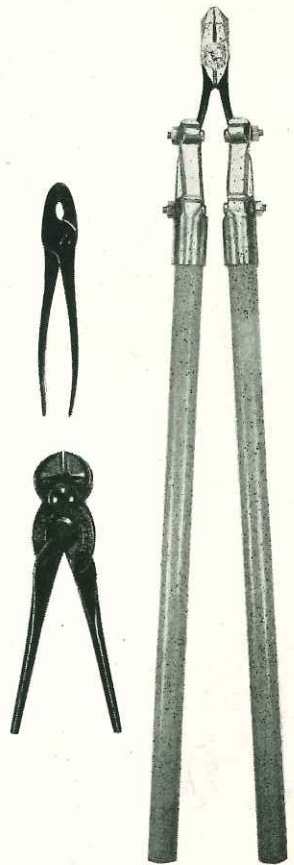


Fig. No. 22



Fig. No. 23



Fig. No. 24

Will take either commercial sockets or Tips Square and Hex Sockets with deep throats.

Fig. No. 23-24

Catalog Number	Fig. No.	Pole Dia.	Universal Head Only	Leverage Head Only	Ratchet Head Only	Overall Length	Net Wt. Lbs.
M1891-5	23	1 1/2"	M1891-25	M1891-26		6'-4"	3 1/2
M1891-6	23	1 1/2"	M1891-25	M1891-26		8'-4"	4 1/2
M1891-7	24	1 1/2"	M1891-25		M1891-27	6'-8"	5 1/4
M1891-8	24	1 1/2"	M1891-25		M1891-27	6'-8"	6 1/4





# ELECTRICAL LIVE LINE EQUIPMENT

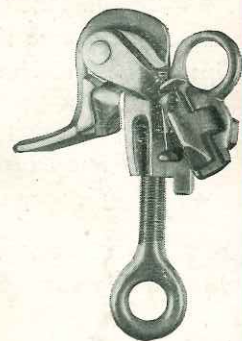
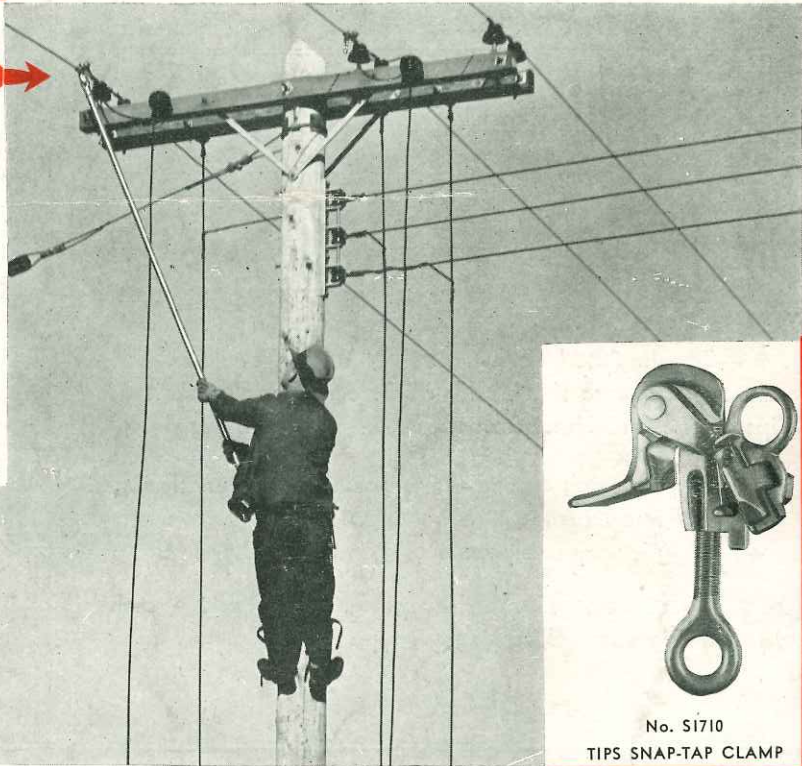
## TIPS **SNAP-TAP** CLAMPS

Save Time and Money on Distribution Lines

***Afford Rapid Connections and Provide Disconnect Feature Directly at Primary Conductors***



No. S1710  
TIPS SNAP-TAP CLAMP  
and  
No. G3030-2  
TIPS POSITIVE CLAMP STICK



No. S1710  
TIPS SNAP-TAP CLAMP

Above photograph shows a Tips Live Line Clamp installation, illustrating a transformer being connected to primary without service interruption. The use of Tips Clamp Stick G3030-2 gives operator full control of clamps and Tap Wire.

We are Pleased to announce the use of EVERDUR METAL  
for all Parts requiring high strength material.

## TIPS TOOL CO., Inc.

*Electrical Live Line Equipment*

MAINTENANCE—GROUNDING—TAP-OFF CLAMPS  
MAIN OFFICE AND FACTORY: 325 EAST MAIN STREET

**TAYLORVILLE, ILLINOIS**



EQUIPMENT PROTECTED BY PATENTS ISSUED OR PENDING